

SUPPLEMENT TO HOBBIES No. 2878.

MODEL OF AN ARTICULATED TRANSPORTER

 BONNET 7 CUT
 THREE 1/4in. AND
 GLUE TOGETHER.

 FLOOR 6 CUT
 ONE 1/8in.

 SHOWING HOW BONNET
 IS ROUNDED OFF AFTER
 GLUING.

STEERING COLUMN

 SEAT BACK
 10
 CUT TWO 1/8in.
 CHAMFER
 BOTTOM EDGE.

 PIECE 11 CUT ONE
 1/4in. SHAPE TO
 SECTION.

 SEAT 9 CUT TWO
 1/8in.

 SEAT BLOCK 8
 CUT TWO 1/4in.

 STEERING COLUMN 12
 CUT ONE FROM 1/8in.
 DIA. ROUND ROD.

 STEERING WHEEL 13
 CUT ONE FROM CARD,
 USING BROKEN RAZOR
 BLADE.

 SIZE 14 1/2ins. LONG.
 3ins. HIGH.

PANELS OF WOOD
 REQUIRED FOR THIS DESIGN
ONE G2 ONE Q2 ONE Q3
ONE Q4
 Materials for making this design are supplied by
 HOBBIES LIMITED, Dereham, Norfolk.
 Price on application.

 The arrows indicate
 the direction of grain
 of wood.

 NOTE.—This design sheet is only
 presented free with the current issue
 of Hobbies and not with back
 numbers. Further copies may be
 obtained.

 PIECE 24
 CUT ONE 1/4in.
 GLUE TO 23

 PIECE 25 CUT ONE
 1/4in. ROUND TO SECTION.
 GLUE TO 2

PIECE 23 CUT ONE FROM CARD.

 HEADLAMP 21
 CUT TWO 1/8in.
 SHAPE SLIGHTLY TO
 FIT SLOPE OF FRONT.
 GLUE IN PLACE AFTER
 CAB HAS BEEN COMPLETED.

 PIN
 SIDELAMP 22
 MAKE TWO FROM
 1/8in. ROUND ROD AND
 SMALL FRET PIN WITH
 HEAD CUT OFF.

 RADIATOR 20
 CUT ONE 1/4in.

 RADIATOR CAP.
 CUT ONE FROM
 1/8in. ROUND ROD.

 WASHER 35 CUT
 TWO 1/8in.

 49
 CUT FOUR
 1/8in.

 51 CUT FOUR
 1/8in.

 PIECE 43 CUT
 ONE 1/8in.

 PIECE 46 CUT
 ONE FROM CARD.

 PIECE 38
 CUT TWO 1/4in.
 GLUE BETWEEN
 PIECES 36

 REAR No. PLATE.
 CUT ONE FROM
 CARD.

 FRONT No. PLATE.
 CUT ONE FROM
 CARD.

PIECE 39 CUT TWO 1/4in. GLUE ON OUTSIDE OF PIECES 36

 20 SPEED RESTRICTION SIGN.
 CUT ONE FROM CARD. GLUE
 TO NEARSIDE TRAILER MUDGUARD.

 CRANE
 CUT OUT AND
 PASTE TO REAR
 OF TRAILER MUDGUARD.

PIECE 1 CUT ONE 1/8in.

 SCREW FROM
 INSIDE

PIECE 2 CUT ONE 1/8in.

 PETROL TANK 4 CUT ONE 1/8in.
 AND TWO 3/16in. GLUE
 TOGETHER AND ROUND
 OFF. SCREW TO 1

 PIECES 5 CUT
 TWO 1/4in.

 PIECE 3 CUT
 TWO 3/16in.

PAPER STRIP
 1/8in. ROUND
 ROD
 GAUGE (PAINT
 ON)
 SKETCH OF COMPLETED PETROL TANK.

 FRONT 14 CUT ONE 3/16in.
 SHAPE TO SECTION.

 ROOF 17
 CUT ONE 1/4in.
 SHAPE TO
 SECTION.

 Note. The cab will be shaped AFTER gluing together. The
 sections shown are intended to be a guide for the final shaping.

 FRONT
 MUDGUARD 19
 CUT TWO 1/8in.
 ROUND OFF OUTSIDE
 EDGE AND GLUE TO 16

 STARTING HANDLE.
 MAKE ONE FROM
 WIRE.

 PIECE 18
 CUT ONE 1/8in.

 31
 CUT TWO
 FROM
 THIN
 CARD.

 30
 CUT TWO
 1/8in.

 TURNTABLE 33
 CUT ONE 1/8in.

 PIECE 34 CUT
 TWO 1/8in.

28 CUT FOUR 1/8in.

 27 CUT SIX 3/16in.
 29 CUT TWO 1/8in.
 32 CUT
 TWO 1/8in.

 FRONT WHEEL.
 MAKE TWO.

 MUDGUARD OVER TWIN
 REAR WHEELS OF TRACTOR.
 CUT TWO FROM THIN CARD. GLUE
 TO PIECE 3

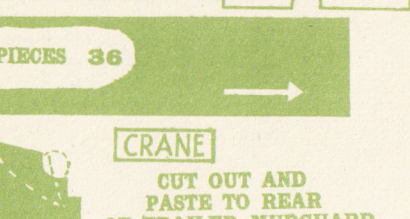
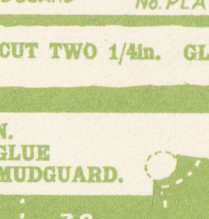
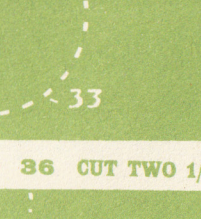
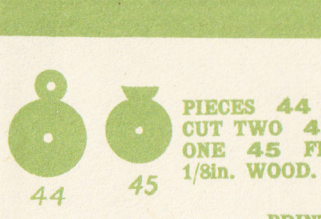
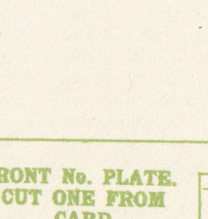
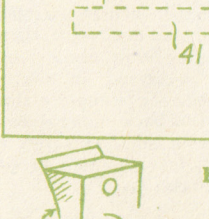
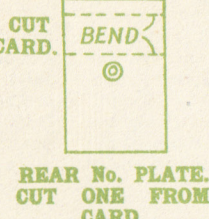
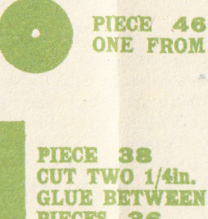
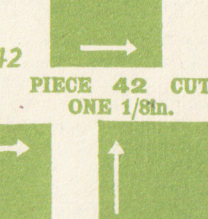
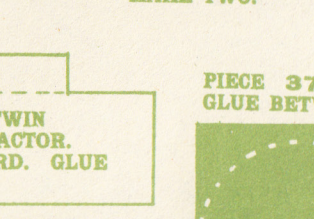
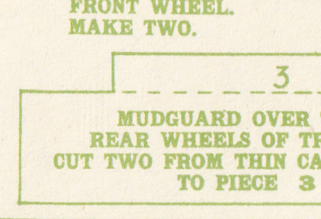
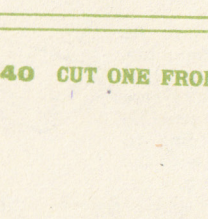
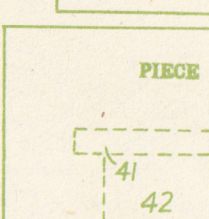
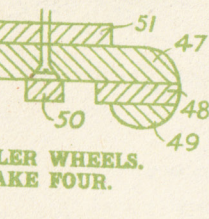
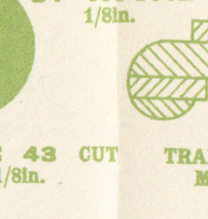
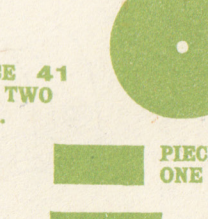
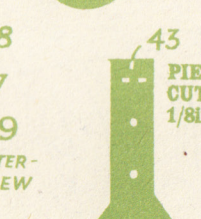
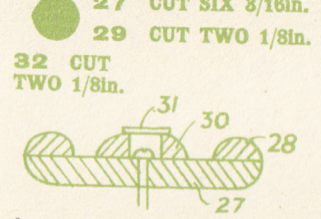
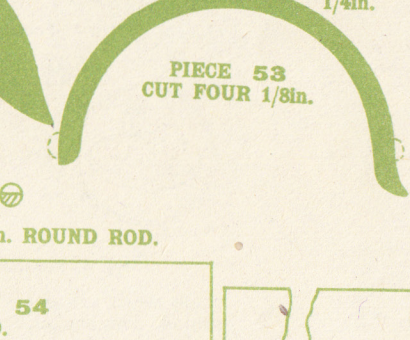
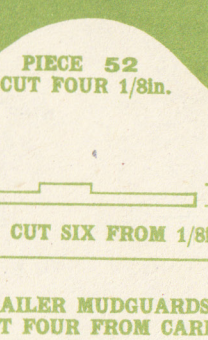
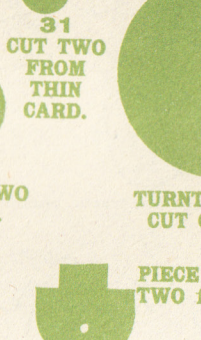
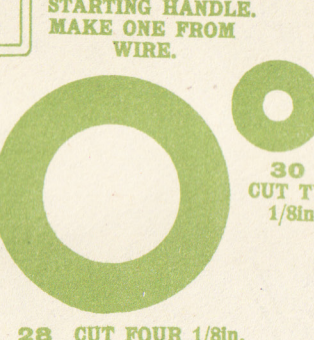
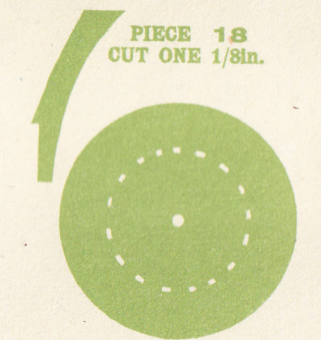
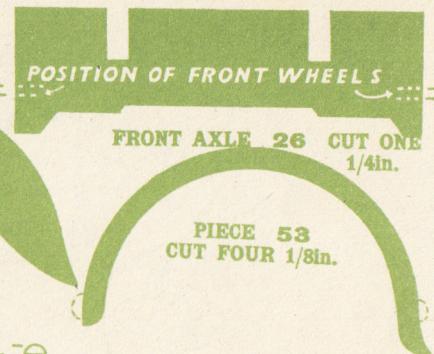
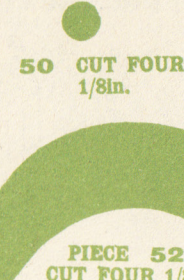
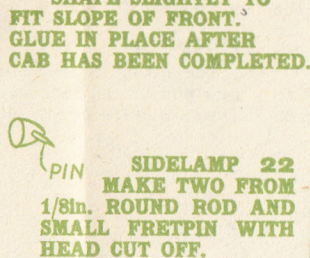
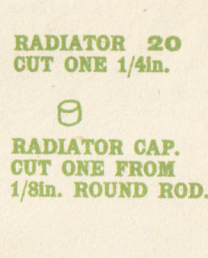
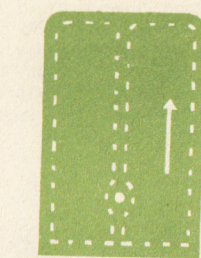
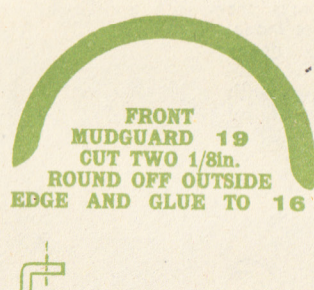
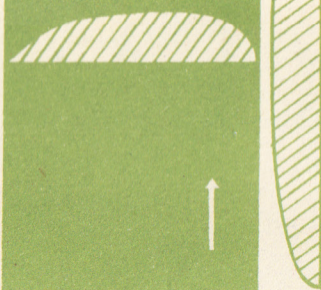
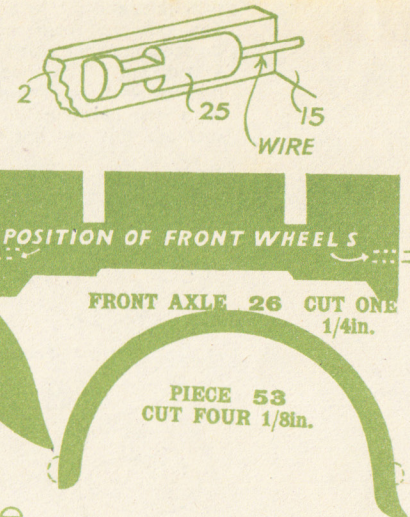
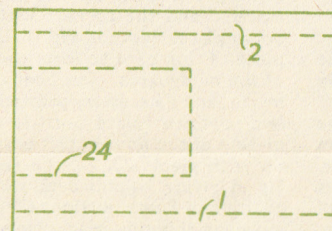
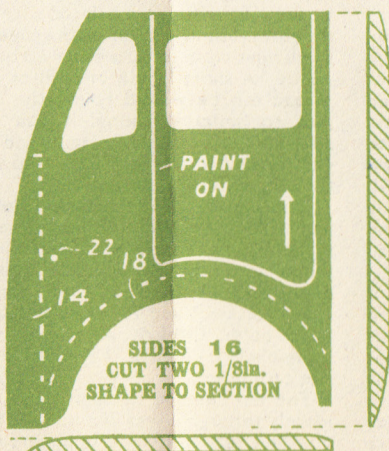
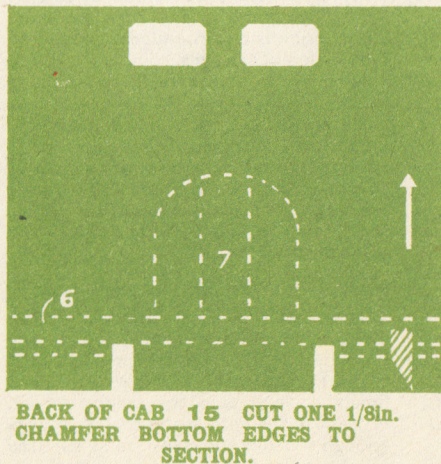
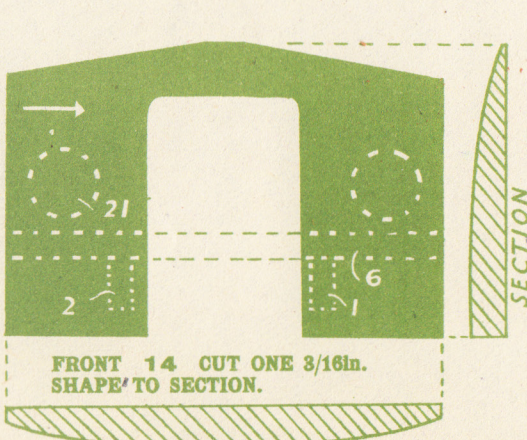
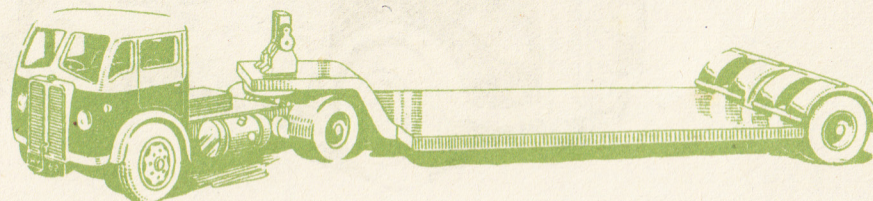
 TWIN REAR WHEELS.
 MAKE TWO.

 PIECE 37 CUT ONE 1/4in.
 GLUE BETWEEN PIECES 36

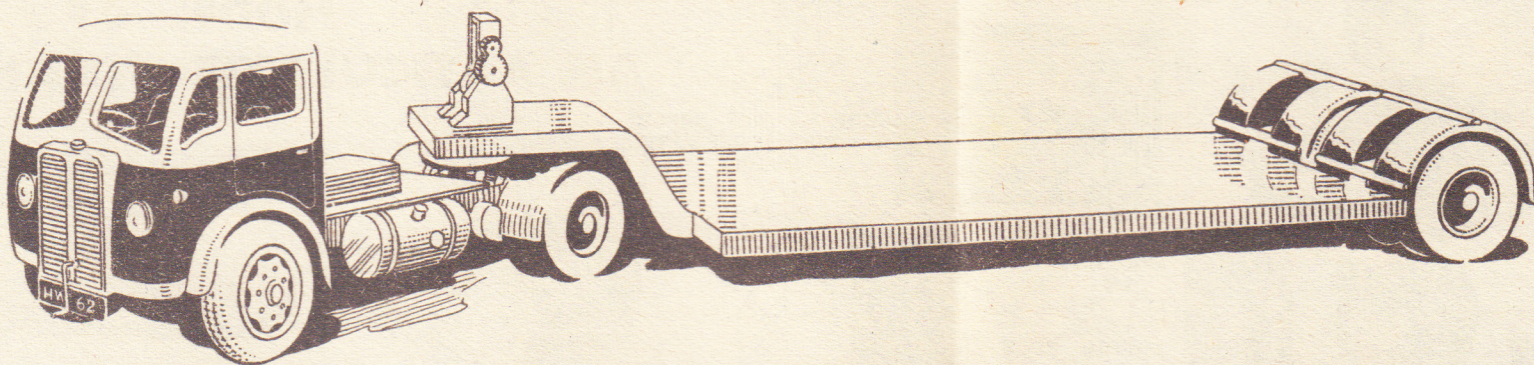
 PIECE 42 CUT
 ONE 1/8in.

PIECE 36 CUT TWO 1/4in.

 PRINTED IN
 ENGLAND

 PIECES 44 & 45
 CUT TWO 44 and
 ONE 45 FROM
 1/8in. WOOD.


MODEL ARTICULATED TRANSPORTER



THIS striking little model is a reproduction of one of the out-size articulated transporters used for exceptional pieces of machinery. The size of the actual transporter can be gathered when you realise it is 14½ ins. long and incorporates no less than four wheels on its tail and six on the tractor portion of the front.

It is built by specialists in this type of work—Cranes (Dereham) Ltd., who supply this and other types of large trailer for export all over the world. The model, for which patterns are provided on the other side, is 14½ ins. long, and when completed and painted, is a pleasing replica of the actual article.

Its construction, however, is not to be recommended to the beginner unless he is conversant with reading patterns, and is nimble and able enough to work out constructional detail. This does not mean there is anything really difficult about it, but a complete study of parts and constructional detail must be made before beginning. The kit of wood provides the necessary material, apart from screws, glue, nails and odds and ends.

Sequence of Construction

The construction is according to the numerical order of the patterns. Study their position one with another, and particularly note where parts have to be chamfered or shaped. The model is in two units and can be built in that order. The cab and front tractor portion is pivoted on to the rear trailer by means of a stub pin. The model is, of course, finished with paint and as you proceed with its construction you must remember this and not fit on any pieces

angle of the seat back to allow the slope, and also the angle of the hole containing the steering wheel. The side view of piece 11 is shown shaded, giving the chamfer also. The wheel can be a tiny metal one or cut from card and fitted on the end of the steering column with a tiny nail. The complete unit is fitted centrally on the chassis with the front edge flush (see Fig. 2).

The Cabin

Now build the cabin from parts 14 to 18. Note the top of 14 projects slightly beyond 16 at the upper portion, and the way part 18 is stepped into the front. When this part 14 is fixed, it is shaped down to form the same curve as the side (16). The whole of this cab has to be rounded off, but before doing this, add the mudguard shaped and glued. All edges of the cab are rounded nicely (see Fig. 4) with Cellophane put behind the side windows, and the inside painted before the roof is finally added.

The front windows of transparent material are cut correctly to the two apertures. Glue a tiny angle of card or thin wood in the corners (see inset Fig. 4), and then tip the edges of the material and the corners with glue and set in place. Note in Fig. 4 also the tiny piece of thin card to form the back face of the mudguards. The lamps 21, 22 can be cut, and if necessary painted, or can be left to fix in place until later. Completion of the floor of this unit is carried on with pieces 23, 24, the rear view at Fig. 5 giving helpful details. Note the addition of Pump portions (25) which are glued on this side only, connecting with the back of the cab.

The back end of this chassis is open to allow the turntable portion upon which

with their top. 37 and 38 are glued between these girder pieces 36, which extend at the tail as seen. The floor covering the chassis is a piece of card (piece 40). Note the extension to 6 ins. at the rear of this pattern, and mark out accordingly before cutting. The narrow piece of card is glued over 37, carried down the slope and then glued along the chassis pieces 38 and 39.

Mounted on the front end (37) is the cable winch from parts 41 to 46. The various cog wheels are painted silver and the gear teething painted on the edge with black lines close to each other across the width. A short length of cord or thick thread can be wound round the drum (46) to indicate cabling, if you wish. Assemble these parts as Fig. 9 and then glue central to the part 40, as shown on the dotted lines of pattern.

Immediately on the underside of this front end is the turntable portion seen in Fig. 6. The two parts 34 are glued by the tenon into the table itself, and the washers 35 fit between them and the chassis pieces 1 and 2. It is advisable to bore holes through all pieces when assembled, to ensure they come opposite each other.

The pin running through must work loosely through pieces 34, in order there may be a certain amount of up and down play for the tractor. The turntable itself works loosely on a stub pin into the trailer portion and allows the horizontal turning required. Fit these pieces carefully to ensure accuracy, and even movement.

Mudguards

The fitting of the mudguards of the rear end can be done as complete units. They are in the end, glued in place on to

rounded cup of that part. The construction of the various wheels is given by sectional details on the sheet. A single disc is cut through the centre of which is driven the long thin screw. Around this screw is added the raised hub portion, and to form the thickness of the tyre a collar of wood is glued on. This collar should be shaped in section before being added, and then the plain disc portion is also rounded to complete the illusion of the tyre.

Where a double tyre is required, it merely means the solid back wheel is glued on to the front one and the whole lot screwed in place. The screw head is always covered by a disc cap which, of course, cannot be added until the wheels are fitted. The rear wheels of the trailer are shown at Fig. 11, and here the assembly is added.

Making the Wheels

The wheels are made and the washer glued to each as shown. Run a long screw through the outer wheel and disc, then through the chassis part and finally drive it into the second wheel. Make sure the hole in the chassis is large enough to allow the screw being used, to revolve quite freely. The pair of wheels then will revolve together, each pair being fixed to the chassis, as seen in Fig. 11. In this detail, too, you have a clear view of how the number plate, mileage plate and name plate are added. One of the mudguard assemblies is also shown lifted away for clarity.

Make sure now that all parts are clean and correct and paint the model over first with grey and then finally with the finished colours. The main parts can be red or a dark brown, with tyres grey, wings and mudguards, oil

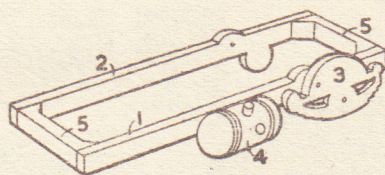


Fig. 1—Front chassis

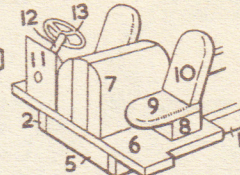


Fig. 2—Cabin interior

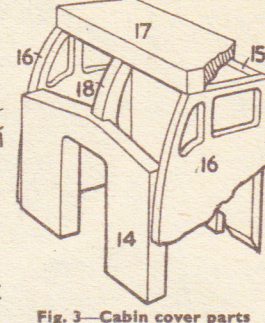


Fig. 3—Cabin cover parts

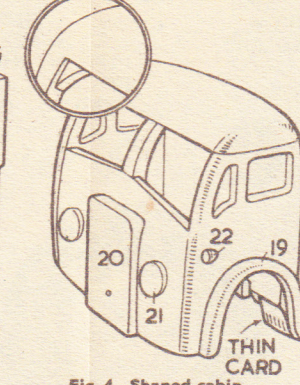


Fig. 4—Shaped cabin

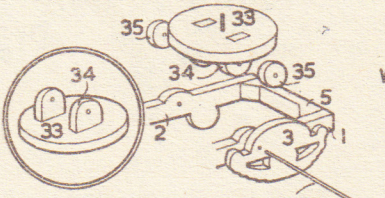


Fig. 5—The tractor chassis

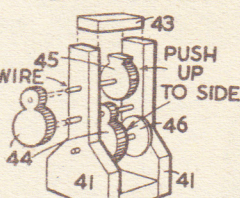


Fig. 6—Turntable fitting

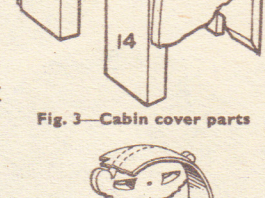


Fig. 7—Mudguard fixing



Fig. 8—Chassis of trailer portion

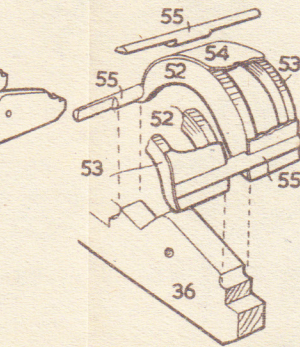


Fig. 9—The windlass mechanism

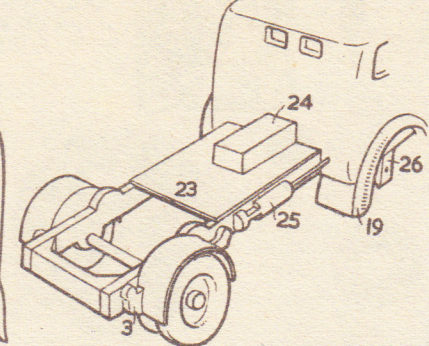


Fig. 10—Rear mudguards

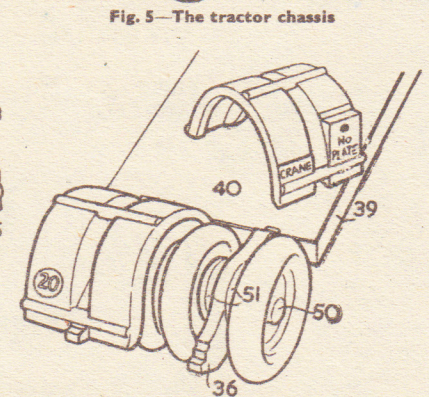


Fig. 11—View of back axle and mudguard

finally which prevent you painting behind. This applies, for instance, to the inside of the cab, behind the wheels, etc.

Mark the patterns off on to the wood accurately, cut them out with the fretsaw and put their number in pencil on the reverse side. Build up as far as possible as you go along, according to numerical order. Start with the chassis of the front portion, a detail of which is shown at Fig. 1. Before you make the framework of parts 1, 2 and 5, you must screw on the rounded petrol tank (No. 4), because otherwise you will not be able to get at the inside. Note the position of the spring pieces (3) as indicated by the dotted lines on the pattern of piece 2. Although not provided for on the design sheet, it is as well to add an axle piece between the two drop sides.

At the front end of this chassis, the cab is next built. Engine, steering and seating are put together as a complete unit (see Fig. 2). Build these on part 6, shaping each one carefully. Note the

the actual trailer part is later pinned. The turntable is shown in Fig. 6, although the actual turntable itself is not fitted to the chassis until later, then it is added by the long wire pin driven through the hole indicated in the patterns concerned. To complete this tractor unit, add the back mudguards by gluing the shaped card shown over the top of the spring leaves already fitted to the side of the chassis (see Fig. 7).

Chassis Assembly

Now turn to the trailer chassis assembly seen in Fig. 8. Notice the flat parts (39) glued on edge to 36 and flush

the chassis girder (36) but this should not be done until the wheels and all their axles have been added. The mudguards can be made up in two pairs (see Fig. 10) from parts 52 to 55. Note the recessed portion in pieces 55 which form distance pieces between the framers (52).

The mudguard cover is, of course, of card glued on to the shaping portions before the cross strips 55 are added. Round these cross strips nicely, and see that when they are laid in place on the chassis girder (36) they rest in the

tank, etc., black and aluminium for the radiator front, lamps, wheel hubs, cable winch, assembly, etc. Line the door of the cab carefully, indicating the handle and add tiny additions as you think fit, such as number plates, mirrors, etc.

We are indebted to Cranes (Dereham) Ltd., Engineers and Trailer Builders, Dereham, for their assistance in the preparation of this model.